



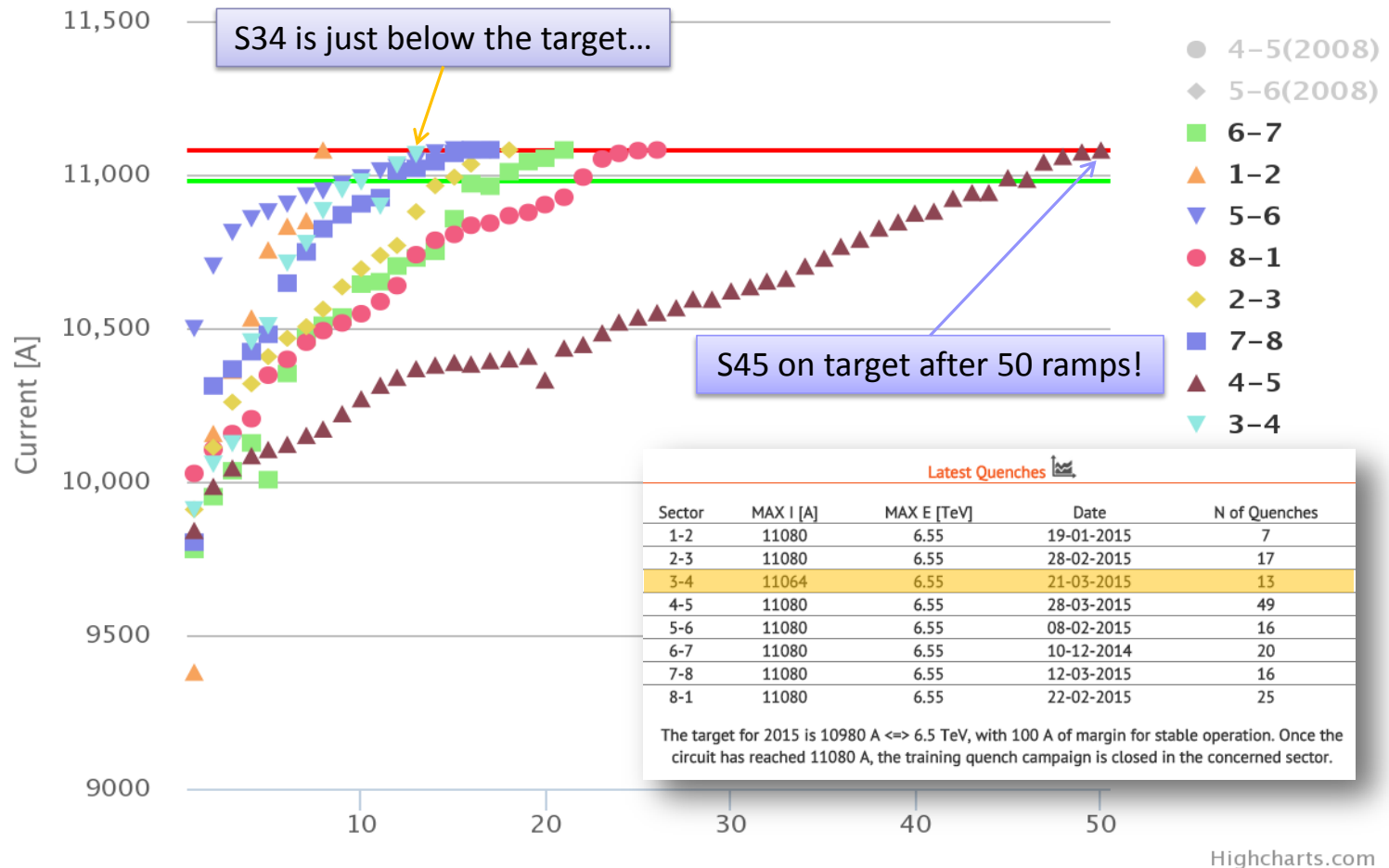
CMS report @ All Experimenters' Meeting

Rafael Lopes de Sá
06 Apr 2015

LHC

LHC training quenches

From the daily LHC talk (Monday, Mar 30th)



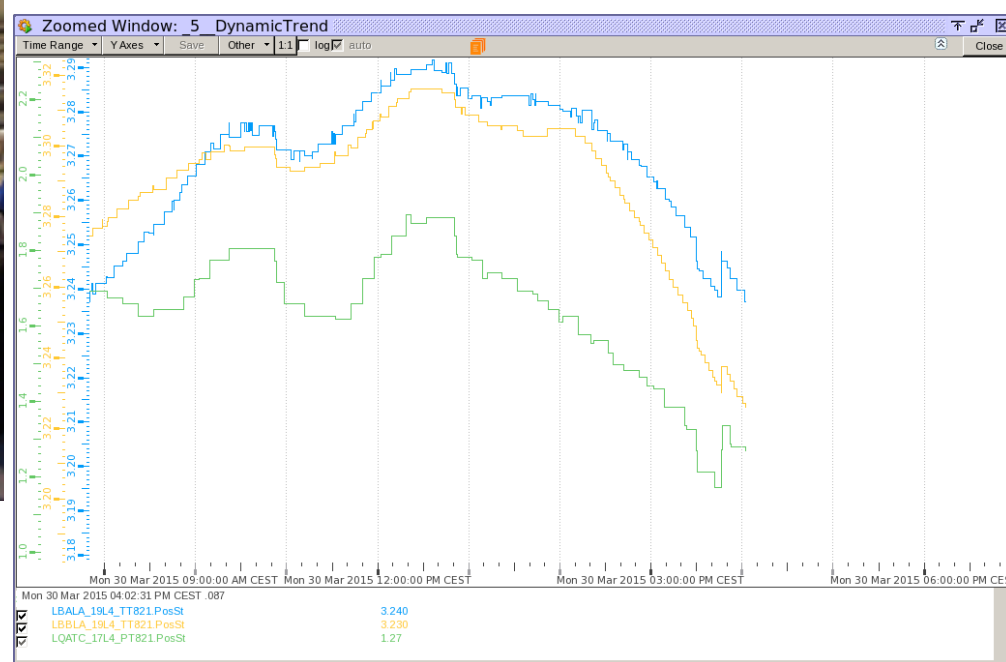
Short circuit in S34 burned out

- Short circuit identified in sector S34.
- Short circuit burned out and cryogenic circuit back to 1.9 K

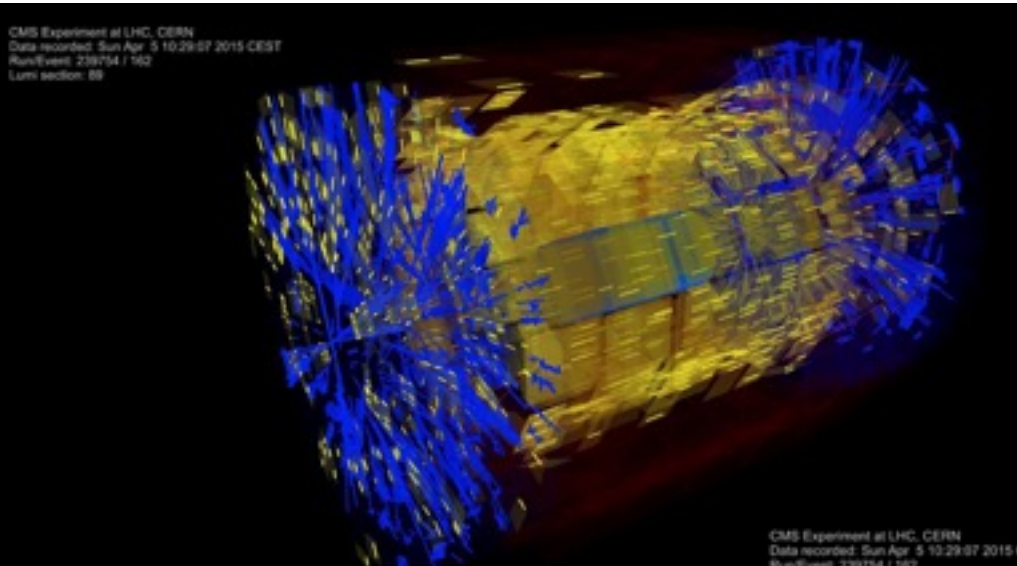


Diode volume

From the daily LHC talk
(Tuesday, Mar 31th)



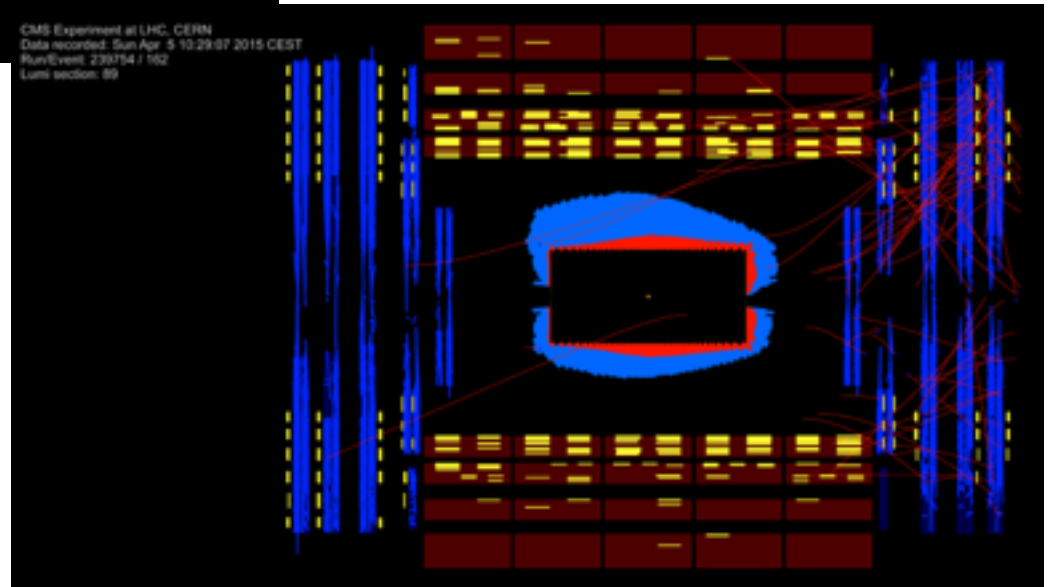
Beams are back to the LHC!



Sunday, Apr 5th,
around 10:40am (CERN time)...

... collimator splashes
seen by CMS!

Another set of splashes
planned for tonight, around
23:00 (CERN time)



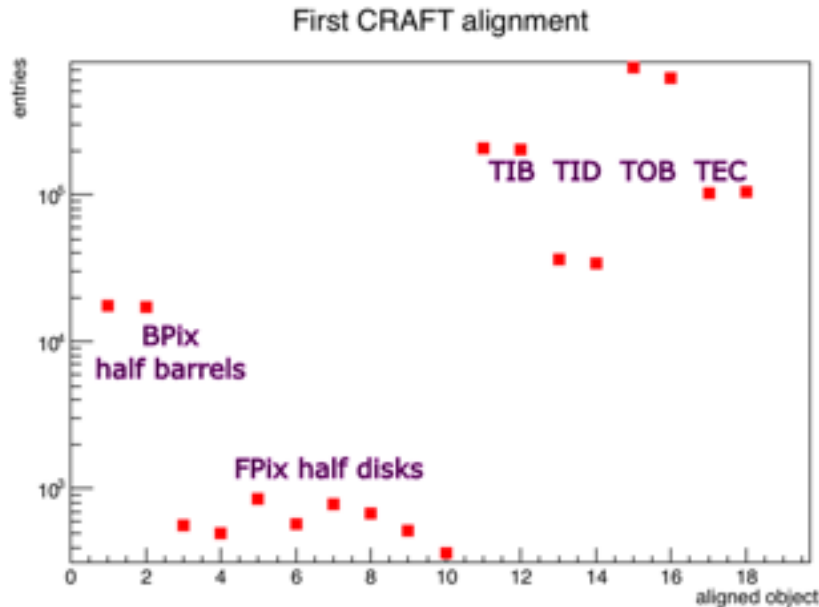
CMS

CMS magnet was ramped down last Wednesday

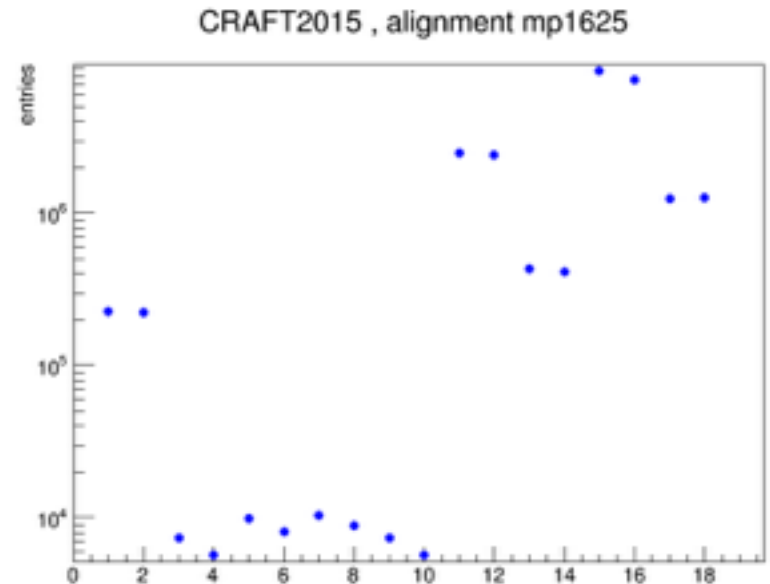
- CMS magnet was operating at nominal 3.8T field since Mar 13th
- All parameters were normal, but refrigeration.
- Heat exchanger and one turbine filter were getting clogged in the cold box.
- CMS magnet was ramped down (less risk, less thermal load) and cold box was warmed up.
- Intervention (liquefaction, warm up, regeneration, cool down, liquid helium refill) will last about a week.

CRAFT (Cosmic Ray At Four Tesla)

- CMS was able to collect cosmic rays for tracker alignment until the magnet was ramped down last Wednesday
- First alignment measurements performed (still very preliminary)



Number of tracks used for alignment (Friday, Mar 20th)



Number of tracks used for alignment (Monday, Mar 30th)